

1 DATA PROCESSING AND DIFFERENCE COMPUTATION FOR GENERATING  
2 ADDRESSING INFORMATION

3 ABSTRACT

4 Methods, apparatus and systems to keep a desired element  
5 properly addressed in a structured document in which  
6 particular elements are addressed, even if the structured  
7 document is modified. In an example embodiment, the  
8 invention comprises a difference computation unit for  
9 computing a difference between structured documents, and an  
10 XPath update unit for generating addressing information from  
11 addressing information that addresses a part of a particular  
12 structured document based on information on the difference  
13 computed by the difference computation unit, the generated  
14 addressing information addressing a corresponding part of  
15 the other structured document.

16 [Selected Drawing] Figure 2